

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
2 December 2004 (02.12.2004)

PCT

(10) International Publication Number
WO 2004/104213 A3

(51) International Patent Classification⁷: C07H 19/00, C07K 11/00, C12N 75/09, 15/52, 15/75

(21) International Application Number: PCT/US2004/015052

(22) International Filing Date: 14 May 2004 (14.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/470,655 15 May 2003 (15.05.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report: 31 March 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/104213 A3

(54) Title: NUCLEIC ACIDS AND POLYPEPTIDES OF C1 BACTERIOPHAGE AND USES THEREOF

(57) Abstract: The full-length nucleic acid sequence of the C₁ bacteriophage is disclosed in the present application. The specific regions of the C₁ genome encoding the P1yC lysin have also been identified and sequenced. The invention relates to the pharmaceutical and diagnostic utility of these sequences and provides for development of pharmaceutical compositions for treating or preventing streptococcal infections in mammals, for compositions for decontamination of inanimate surfaces and for diagnosis of streptococcal infections.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/15052

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 19/00; C07K 11/00; C12N 75/09, 15/52, 15/75

US CL : 536/23.1, 23.2, 23.72; 424/185.1, 186.1, 204.1; 435/471, 472, 5; 530/388.2, 388.26, 388.3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1, 23.2, 23.72; 424/185.1, 186.1, 204.1; 435/471, 472, 5; 530/388.2, 388.26, 388.3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
COMPUGEN, WEST, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,608,187 B2 (NELSON et al.) 19 August 2003 (19.08.2003), see entire document.	1-30
P, Y	NELSON, D. Genomic Sequence of C1, the First Streptococcal Phage, Journal of Bacteriology, June 2003, Vol. 185, No. 11, pages 3325-3332, see entire document.	1-30

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
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Date of the actual completion of the international search 12 December 2004 (12.12.2004)	Date of mailing of the international search report 14 JAN 2005
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